

Yuvaraja Singanamane Chandracahri

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Aiming for Leader position in an Organization which will be a Benchmark in Automotive Industry. In the areas of Metallurgical operation, New Product development, Quality Control & Metallurgical Testing.

Summary of Skills

Areas of Expertise

- Knowledge on Heat treatment Process like (Carburizing , Case Hardening, Hardening & Tempering , Induction Hardening , Induction Tempering & Nitriding)
- Mechanical & Metallurgical Testing (Forging, Raw Material, Heat treatment)
- Inward inspection of Raw material & Bought out parts
- Continuous Improvement
- Failure analysis
- Handling of all metallurgical Equipment's.
- Documentation as per ISO-9001 & IATF-16949
- Problem Solving & Decision making
- Communication
- Standardization of inspection & its method as per standards
- Abnormality handling
- Nondestructive test like UT, Eddy Current, MPI & DPT

Experience Profile:

Metallurgical Engineer 7.5 years' experience in the field of metallurgy specially Heat treatment, Metallurgical Testing & Metallurgical quality control.

- Worked in IND CARB commercial Heat Treaters attibele industrial area Bangalore one of the leading supplier for BOSCH (2014 – 2015)
- Worked in M/S SKF INDIA LTD. Bangalore (An IATF16949) Swedish Bearing Company as a apprentice in Metallurgy Lab and handling of entire metallurgical laboratory (2015 – 2016).
- Worked in M/S SANSERA Engineering Ltd (Plant-2) Bangalore, as a Metallurgist –Engineer, leading manufacturer of precision automobile components like Connecting, Gear Shifter & Rocker arms for two wheeler and four wheeler (2016 – 2020).
- Presently working in M/S Triton valves Future Tech private Ltd, Mysore as a Assistant manager QC-Metallurgy. Manufacturing of all Copper & Copper based alloys in various shapes & Sizes (From June 2020).

Present Company Profile:

- M/s Triton valves Future Tech Private Ltd Mysore (Parent company M/Triton Valves LTD) Manufacturing of all Brass Rods & Coils.

Personal Details:

Permanent Adress	: Yuvaraja S C
	S/O Chandrachari eshwara temple road singanamane
	B R Project, Bhadravathi (tq) Shimoga (D) 577115
Date of birth	: 01-01-1995
Sex	: Male
Father's Name	: Chandrachari
Religion	: Hindu (Vishwakarma)
Marital status	: Unmarried
Languages	: English, Hindi, Kannada, Tamil & Telugu.
Phone number	: +91-9611431894

Present Nature of work:

- Working as Assistant Manager - Metallurgical QC Department.
- Feasibility study, Review of customer specification & Preparation of inspection standard to meet the customer requirement.
- Coordinating & getting the approval for entire product development including, requirement analysis & Finalization of specification.
- Handling in process inspection of Melting & Casting, Chemical analysis of Copper, Zinc, Lead & Copper alloys by using Spectrometer & XRF.
- Supervising of incoming inspection of raw material, Final inspection, PDI Reports & Preparation of TC as per standard.
- Problem solving by using 8D methodology, Preparation of control plan & PFD.
- Handling of customers & Coordinate with them during audit.
- Preparation SOP, Work instruction, Control plan, department manuals, Risk & Opportunity register to meet the requirements of ISO 9001:2015.
- Set up new metallurgical laboratory & Handling of all metallurgical equipment's like UTM, Izode Impact, Metallurgical microscope, Universal Hardness tester, Spectrometer & Metallography set up.

Key deliverables:

- Leading overall incoming inspection in Metallurgical Laboratory & control of incoming quality.
- Incoming raw material inspection like Chemical analysis, Inclusion, Grain size, microstructure, micro bandings and all metallurgical inspection of heat treatment parts.
- Carburizing, case hardening, Carbonitriding, induction hardening, Induction Softening, Hardening & tempering, Annealing & Normalizing all process are known.
- Lay out inspection & re validation of products, Evaluation of Proficiency Test sample.
- Grains size analysis by comparison & Interception method and Ferrite & Pearlite phase analysis and Analysis of Decarburization.
- Macro Etching of Hot rolled steel to study the segregation & internal soundness of the steel.
- Process approval for the induction hardening, Induction Softening & tempering.
- Know about SQF furnace Operation & Handling of furnace.
- Handling of manpower & allocation of respective work to them.
- Conducting 9 point test analysis for Process validation & Thermal mapping for furnace validation to fulfill the requirement of OEM's.
- Involving in continual improvement of Heat treatment process to improve the efficiency, Quality & Productivity.
- Responsible for to find out the root cause & Corrective actions for in house heat treatment rejection.
- Heat treatment process & Product validation to enhance the process efficiency.
- Well aware about metallurgical inspection standard IS, ASTM, JIS & SAE.

- Planning of equipment Calibration & Maintain of lab Consumables.
- Handling of UTM machine, Hands on experience in Physical testing like Tensile & compression test.
- Inspection of forging & casting components to check the grain flow (Macrostructure) and Micro-structure evaluation.
- Equipment's handling like Micro and Macro Vickers hardness tester, Metallurgical microscope, Optical emission spectrometer, Brinell and Rockwell hardness tester.
- Handling of Nondestructive test like MPI, Eddy current, DPT & UT test.
- Participation and Conducting of Inter laboratory Comparison as per NABL requirement.
- Awareness on IATF 16949, OH&S and EMS documents preparation.
- Hazards identification & control as per OHS as applicable for metallurgical laboratory.
- Submitting IMDS for customer Products for all Sansera plants.
- Initial Sample inspection of NPD parts & Internal Audit of IATF 16949 in interplant.

Major Highlights

- Independently handling of metallurgical laboratory in all shifts and decision making.
- Involving in installation of oxy-probe and also Dew point meter for continuous furnace.
- Prove out the induction hardening process at EFD Bangalore with support of senior metallurgist.

Trainings attended

- Three days Heat treatment work shop training attended at Chennai.
- Optical emission spectrometer training at CMTI Bangalore.
- 4 days IATF16949 Internal audit training @ SANSERA.
- ISO9001:2015, 14001 & 45001 Awareness training.

Educational qualification

- **Diploma in Metallurgical engineering** from VISSJ polytechnic, Bhadravathi, Karnataka. India (2011 – 2014)
- **SSLC from National high school B R Project** (2010 – 2011)

Computer knowledge

- Microsoft software technologies including Excel, PowerPoint and Word.

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